

**Notice of Allowability**

Application No.

09/351,086

Applicant(s)

DIMITROVA, NEVENKA

Examiner

KIEU-OANH BUI

Art Unit

2623

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the appeal brief filed on 08/20/2007.
2. ☒ The allowed claim(s) is/are 1,2,4-20,26 and 27.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

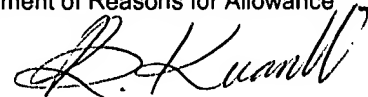
4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



KIEU-OANH BUI  
PRIMARY EXAMINER

## DETAILED ACTION

### *Response to the After Final Appeal Brief*

1. By filing an appeal brief, applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

### *Remark*

2. Claims 3, and 21-25 have been previously cancelled. Claims 1-2, 4-20, and 26-27 are pending for reconsideration.

### *Allowable Subject Matter*

3. Claims 1-2, 4-20, and 26-27 have been allowed.

### *Reasons for Allowance*

4. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, and similarly as described in claims 18-20, the closest prior arts of record issued to Hjelsvold and Nagasaka either alone or in a combination fails to teach or suggest the present invention for an apparatus, an article of manufacture comprising a machine readable medium and its corresponding method for processing video, the method comprising displaying a sequence of video segments at a display of a user, **extracting a feature from one or more video segments of the sequence, determining an association between the feature and at least one**

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**additional information source also including that feature; and defining a link between the feature and the at least one additional information source to facilitate a display of information from the additional information source based at least in part on a selection by the user of the feature** while the one or more video segments are displayed to the user.

The examiner agrees that Hjelsvold does not teach extracting a feature from a video segment and defining a link between the extracted feature and an associated information source to facilitate a display of information from the additional information source based on a selection of the feature by the user; and Nagasaka also does not teach or suggest extracting user-selectable features. Nagasaka specifically teaches that a single feature value is assigned to each frame, wherein the determined feature value is quantized to a nominal standard value. (Nagasaka, column 5, lines 36-57). Nagasaki's element 106 in FIG. 2 is a "frame feature extractor", and Nagasaki's FIG. 3 clearly indicates a single feature per frame. Further, minor differences between frame features (A, A', A'') are ignored, so that streams of frames are identified by a single feature (A). In the example of Nagasaki's FIG. 2, the sequence of frames is identified as: feature A for frames between  $t_l$  and  $t_{i-1}$ ; feature B for frames  $t_i$  to  $t_{j-1}$ ; feature C for frames  $t_j$  to  $t_{k-1}$ ; and so on (Nagasaka's Feature Table in FIG. 2). Nagasaka simply teaches creating a sequence of features and using this sequence to determine associations between sequences of corresponding video frames. In Nagasaka's example of the feature being an average color of the frame, wherein a sequence may be encoded as blue-blue-blue-green-red-green-blue-blue, Nagasaka does not determine an association between the feature "blue" and an additional information source, because without the particular sequence, the fact that a particular frame has an average color of blue is virtually meaningless.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

**5. Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to PTO New Central Fax number:**

**(571) 273-8300, (for Technology Center 2600 only)**

*Hand deliveries must be made to Customer Service Window,  
Randolph Building, 401 Dulany Street, Alexandria, VA 22314.*

**6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krista Kieu-Oanh Bui whose telephone number is (571) 272-7291. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM.**

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller, can be reached at (571) 272-7353.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'K. Bui', with a long horizontal line extending to the right.

Kieu-Oanh Bui  
Primary Examiner  
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KB  
Nov. 9, 2007